

AMENDMENTS TO THE CLAIMS

1) (Currently amended) Seed of soybean cultivar designated S52-U3 representative seed of said soybean cultivar having been deposited under ATCC Accession No: _____ PTA-5164.

2) (Currently amended) A soybean plant, or a parts thereof, produced by growing the seed of claim 1 of cultivar S52-U3, seed of said cultivar having been deposited under ATCC Accession No: _____.

3) (Original) Pollen of the plant of claim 2.

4) (Original) An ovule of the plant of claim 2.

5) (Currently Amended) A soybean plant, or parts thereof, having all the physiological and morphological characteristics of [[a]]the plant according to claim 2.

6-7) (Canceled)

8) (Currently amended) Seeds produced by growing [[of a]] the plant according to claim 2 or 57.

9-13) (Canceled)

14) (Currently amended) A tissue culture of regenerable cells of the soybean plant according to claim 2 or 5, wherein the tissue regenerates plants capable of expressing all the morphological and physiological characteristics of the plant according to claim 2.

15) (Canceled)

16) (Currently amended) [[A]]The tissue culture according to claim 14, wherein the cells or protoplasts of the of said tissue culture being from a tissue are selected from the group comprising consisting of leaves~~leaf~~, pollen, embryo~~esembryo~~, [[roots]]root, flowers~~flower~~, [[seeds]]seed, [[pods]]pod, and [[stems]]stem.

17) (Currently amended) A method for producing a soybean seed comprising crossing a first parent soybean plant with a second parent soybean plant and harvesting the resultant ~~first generation~~ soybean seed, wherein said first or second parent soybean plant is [[a]]the soybean plant according to claim 2 or a soybean plant having all the physiological and morphological characteristics of [[a]]the plant according to claim 2.

18-35) (Canceled)

36) (New) A method for producing a S52-U3-derived soybean plant, comprising:

- a) crossing inbred soybean line S52-U3, representative seed of which have been deposited under ATCC Accession No: PTA-5164, with a second soybean plant to yield progeny soybean seed; and
- b) growing said progeny seed to yield said S52-U3-derived soybean plant.

37) (New) The method for producing a soybean seed according to claim 17, further comprising the step of growing said seed to produce a progeny soybean plant.